

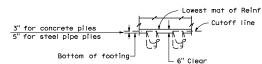


To accompany Plans dated\_

## ALTERNATIVE PILE ANCHOR FOR PRESTRESSED PILE

	Nomimal Resistance (Tension) *	
	Not Required	Required
"A" bars	#6	#8
"E" Dimension	2'-0"	2'-10"

<sup>\*</sup> See Pile Data Table in the Project Plans for Nominal Resistance (Tension) Requirements



### **DESIGN NOTES:**

### PILE EMBEDMENT

# DESIGN CAPACITY :

Compression = 200 kip (Service state)

= 400 kip (Nominal axial strength)

Tension = 80 kip (Service state) = 200 kip (Nominal axial strength)

#### REINFORCED CONCRÈTE

 $f_C^i = 4,000 \text{ psi}$ fy = 60,000 psi

### PRECAST PRESTRESSED PILES

P<sub>f</sub> = Prestress Force (After losses)

Concrete Strength f'<sub>C</sub> @ 28 days = 7,000 psi

f<sub>C</sub>i @ transfer = 4,000 psi

#### STEEL PIPE PILE

Fy (minimum yield strength) = 45,000 psi

Fu (minimum tensile strength) = 66,000 psi

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

# PILE DETAILS CLASS 200

NO SCALE

RSP B2-8 DATED OCTOBER 20, 2006 SUPERSEDES STANDARD PLAN B2-8 DATED MAY 1, 2006-PAGE 242 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP B2-8